



Please Scan - Thank you

# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 152834

TO: Devesh Khare  
Location: rem/5c35/5c18  
Art Unit: 1623  
Friday, May 13, 2005

Case Serial Number: 10/051711

From: Barb O'Bryen  
Location: Biotech-Chem Library  
Remsen 1a69  
Phone: 571-272-2518

*Bob*  
barbara.obryen@uspto.gov

### Search Notes

Access DB# \_\_\_\_\_

## SEARCH REQUEST FORM

### Scientific and Technical Information Center

Requester's full Name: Devesh Khare Examiner #: 77931 Date: 05/09/2005

Art Unit: 1623 Phone Number 272-0653 Serial Number: 10/051,711

Mail Box: Remsen 5C18 and Bldg/Room Location: 5C35 Results Format Preferred (circle): PAPER DISK E-MAIL

**If more than one search is submitted, please prioritize searches in order of need.**

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, key words, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: See Bib Data Sheet on e-dan.

Inventors (please provide full names): See Bib Data Sheet on e-dan.

Earliest priority Filing Date: 01/18/2001

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please carry out a search on the attached claim sheet : claims 23 and 35.

Thank you.

**STAFF USE ONLY**

Searcher: BDB

Searcher Phone #: \_\_\_\_\_

Searcher Location: \_\_\_\_\_

Date Searcher Picked Up: 5-13-05

Date Completed: 5-13-05

Lexis/Nexis

Searcher Prep & Review Time: \_\_\_\_\_

Clerical prep time: \_\_\_\_\_

Online Time: \_\_\_\_\_

PTO-1590 (1-2000)

**Type of Search**

NA Sequence (#) \_\_\_\_\_

AA Sequence (#) \_\_\_\_\_

Structure (#) \_\_\_\_\_

Bibliographic \_\_\_\_\_

Litigation \_\_\_\_\_

**Vendors and cost where applicable**

STN \_\_\_\_\_

Dialog \_\_\_\_\_

Questel/Orbit \_\_\_\_\_

Dr. Link \_\_\_\_\_

Sequence Systems \_\_\_\_\_

WWW/Internet \_\_\_\_\_

Other (specify) \_\_\_\_\_

=> d his full

(FILE 'HOME' ENTERED AT 14:39:10 ON 13 MAY 2005)

FILE 'CAPLUS' ENTERED AT 14:39:19 ON 13 MAY 2005

SET LINE 250  
 SET DETAIL OFF  
 E US2003-051711/AP, PRN 25  
 E US2002-051711/AP, PRN 25  
 SET NOTICE 1000 SEARCH  
 L1 2 SEA ABB=ON US2002-51711/AP  
 SET NOTICE LOGIN SEARCH  
 SET LINE LOGIN  
 SET DETAIL LOGIN  
 D SCAN  
 D SCAN  
 SEL RN 1-2

FILE 'REGISTRY' ENTERED AT 14:40:35 ON 13 MAY 2005

L2 25 SEA ABB=ON (9001-45-0/BI OR 15056-35-6/BI OR 25415-88-7/BI OR  
 302-01-2/BI OR 33195-00-5/BI OR 3672-15-9/BI OR 460740-37-8/BI  
 OR 57-56-7/BI OR 72672-17-4/BI OR 9028-79-9/BI OR 2438-80-4/BI  
 OR 3458-28-4/BI OR 359013-29-9/BI OR 37228-64-1/BI OR 37288-40-  
 7/BI OR 460740-36-7/BI OR 59-23-4/BI OR 7512-17-6/BI OR  
 7790-28-5/BI OR 847937-81-9/BI OR 9001-42-7/BI OR 9005-79-2/BI  
 OR 9012-33-3/BI OR 9025-35-8/BI OR 9036-88-8/BI)  
 D SCAN  
 L3 STR  
 L4 35 SEA SSS SAM L3  
 L5 738 SEA SSS FUL L3  
 SAVE TEMP L5 KHA711FULL/A

FILE 'STNGUIDE' ENTERED AT 15:01:42 ON 13 MAY 2005

FILE 'REGISTRY' ENTERED AT 15:03:19 ON 13 MAY 2005

L6 2 SEA ABB=ON 9001-45-0 OR 9028-79-9 OR 9001-45-0  
 L7 4 SEA ABB=ON 9012-33-3 OR 37228-64-1 OR 37288-40-7 OR 9025-35-8  
 L8 1 SEA ABB=ON 9001-42-7  
 D SCAN  
 L9 1 SEA ABB=ON 460740-37-8  
 D SCAN  
 L10 1 SEA ABB=ON L9 AND L5

FILE 'CAPLUS' ENTERED AT 15:04:42 ON 13 MAY 2005

L11 2 SEA ABB=ON L9  
 D SCAN TI  
 L12 6485 SEA ABB=ON L5  
 L13 25022 SEA ABB=ON (L6 OR L7 OR L8)  
 L14 8918 SEA ABB=ON LYSOSOMAL/OBI  
 E HEXOSES+ALL/CT  
 L15 4349 SEA ABB=ON HEXOSES/CT  
 L16 584 SEA ABB=ON HEXOSE PHOSPHATES/CT  
 L17 410 SEA ABB=ON L15(L)PHOSPH#/OBI  
 L18 1280 SEA ABB=ON MANNOSE 6 PHOSPHATE#/OBI OR M6P/OBI  
 L19 101961 SEA ABB=ON CARBONYL#/OBI  
 L20 39 SEA ABB=ON L12 AND L13  
 L21 327 SEA ABB=ON (L12 OR (L16 OR L17 OR L18)) AND (L13 OR L14)  
 L22 4 SEA ABB=ON (L12 OR (L16 OR L17 OR L18)) AND (L13 OR L14) AND  
 L19

L23 5 SEA ABB=ON L20 AND L14  
 L24 280959 SEA ABB=ON COUPL?/OBI  
 L25 106101 SEA ABB=ON CONJUGAT?/OBI  
 L26 23 SEA ABB=ON L21 AND (L24 OR L25)  
 L27 325504 SEA ABB=ON ?CARBONYL?/BI  
 L28 5 SEA ABB=ON L26 AND L27  
 L29 0 SEA ABB=ON L28 NOT (L11 OR L22 OR L23)  
 L30 61515 SEA ABB=ON L27(3A)REACT?/BI  
 L31 2 SEA ABB=ON L21 AND L30  
 D SCAN TI  
 L32 441010 SEA ABB=ON ENZYME#/OBI  
 L33 19 SEA ABB=ON L26 AND L32  
 L34 15 SEA ABB=ON L33 NOT (L11 OR L22 OR L23 OR L31)  
 D SCAN TI  
 L35 2 SEA ABB=ON MODEL/TI AND L34  
 D SCAN  
 L36 17655 SEA ABB=ON LYSOSOME#/OBI  
 D QUE L33  
 L37 9 SEA ABB=ON (L12 OR (L16 OR L17 OR L18)) AND ((L13 OR L14) OR L36) (L) (L24 OR L25)  
 L38 9 SEA ABB=ON (L12 OR (L16 OR L17 OR L18))(L)(L24 OR L25) AND ((L13 OR L14) OR L36)  
 L39 12 SEA ABB=ON L37 OR L38

FILE 'REGISTRY' ENTERED AT 15:16:20 ON 13 MAY 2005  
 L40 1 SEA ABB=ON 3672-15-9

FILE 'REGISTRY' ENTERED AT 15:16:31 ON 13 MAY 2005  
 D IDE

FILE 'MEDLINE, CANCERLIT, JICST-EPLUS, AGRICOLA, PASCAL, BIOTECHNO, BIOSIS, CONFSCI, BIOTECHDS, DISSABS, TOXCENTER, EMBASE, WPIDS, ANABSTR' ENTERED AT 15:22:31 ON 13 MAY 2005

L41 2947 SEA ABB=ON L40  
 L42 19393 SEA ABB=ON (MANNOSE OR HEXOSE#)(3A) PHOSPH?  
 L43 1180 SEA ABB=ON M6P  
 L44 165346 SEA ABB=ON LYSOSOM?  
 L45 50085 SEA ABB=ON (L6 OR L7 OR L8)  
 L46 216724 SEA ABB=ON HEXOSAMINIDASE# OR GALACTOSIDASE# OR GLUCOCEREBROSIDASE# OR ACETYLGLUCOSAMINIDASE# OR GLUCURONIDASE# OR GALACTOSE OXIDASE#  
 L47 17 SEA ABB=ON HEXOS AMINIDASE# OR (GLUCOCEREBRO OR GLUCOCEREBRO) (W) SIDASE# OR (ACETYLGLUCOS OR ACETYL GLUCOS) (W)  
 L48 2806 SEA ABB=ON ACETYL GLUCOSAMINIDASE#  
 L49 1900196 SEA ABB=ON COUPL?  
 L50 491056 SEA ABB=ON CONJUGAT?  
 L51 7944 SEA ABB=ON CARBONYL(3A) REACT?  
 L52 3 SEA ABB=ON (L41 OR L42 OR L43) AND (L44 OR L45 OR L46 OR L47 OR L48) AND L51  
 D SCAN  
 L53 124 SEA ABB=ON MANNOPYRANOSYL#(3A) PHOSPH?  
 L54 3 SEA ABB=ON (L53 OR (L41 OR L42 OR L43)) AND (L44 OR L45 OR L46 OR L47 OR L48) AND L51  
 L55 20 SEA ABB=ON (L53 OR (L41 OR L42 OR L43)) AND (L44 OR L45 OR L46 OR L47 OR L48) (5A) (L49 OR L50)  
 L56 35 SEA ABB=ON (L53 OR (L41 OR L42 OR L43))(5A) (L49 OR L50) AND (L44 OR L45 OR L46 OR L47 OR L48)  
 L57 48 SEA ABB=ON L55 OR L56 OR L54  
 L58 23 DUP REM L57 (25 DUPLICATES REMOVED)

ANSWERS '1-12' FROM FILE MEDLINE  
 ANSWER '13' FROM FILE PASCAL  
 ANSWERS '14-15' FROM FILE BIOSIS  
 ANSWERS '16-17' FROM FILE BIOTECHDS  
 ANSWERS '18-19' FROM FILE TOXCENTER  
 ANSWER '20' FROM FILE EMBASE  
 ANSWERS '21-22' FROM FILE WPIDS  
 ANSWER '23' FROM FILE ANABSTR

L59 322321 SEA ABB=ON CARBONYL#  
 L60 4339526 SEA ABB=ON ENZYME#  
 L61 7 SEA ABB=ON (L53 OR (L41 OR L42 OR L43)) AND (L44 OR L45 OR  
     L46 OR L47 OR L48) AND L59  
 L62 4 SEA ABB=ON L61 NOT L54  
     D SCAN  
 L63 8 SEA ABB=ON L40 AND L45 AND (L49 OR L50)  
 L64 81 SEA ABB=ON (L42 OR L43 OR L53) (S)((L46 OR L47 OR L48) OR  
     L60)(S) (L49 OR L50)  
 L65 238 SEA ABB=ON (L42 OR L43 OR L53) (L)((L46 OR L47 OR L48) OR  
     L60)(L) (L49 OR L50)  
 L66 26 SEA ABB=ON (L42 OR L43 OR L53) (15A)((L46 OR L47 OR L48) OR  
     L60)(15A) (L49 OR L50)  
 L67 24 SEA ABB=ON L66 NOT L54  
 L68 14 SEA ABB=ON L67 NOT L55  
 L69 14 SEA ABB=ON L68 NOT L56  
 L70 14 SEA ABB=ON L69 NOT L63  
 L71 4 DUP REM L70 (10 DUPLICATES REMOVED)  
     ANSWERS '1-3' FROM FILE MEDLINE  
     ANSWER '4' FROM FILE PASCAL  
     D TRIAL 1-4

FILE 'STNGUIDE' ENTERED AT 15:39:19 ON 13 MAY 2005

FILE 'REGISTRY' ENTERED AT 15:41:02 ON 13 MAY 2005  
     D STAT QUE L5

FILE 'MEDLINE, CANCERLIT, JICST-EPLUS, AGRICOLA, PASCAL, BIOTECHNO,  
 BIOSIS, CONFSCI, BIOTECHDS, DISSABS, TOXCENTER, EMBASE, WPIDS, ANABSTR'  
 ENTERED AT 15:41:03 ON 13 MAY 2005

D QUE NOS L54  
 D QUE NOS L55  
 D QUE NOS L56  
 D QUE NOS L63  
 D QUE NOS L66

L72 65 SEA ABB=ON L54 OR L55 OR L56 OR L63 OR L66

FILE 'CAPLUS' ENTERED AT 15:41:15 ON 13 MAY 2005  
     D QUE NOS L11  
     D QUE NOS L22  
     D QUE NOS L23  
     D QUE NOS L31  
     D QUE NOS L39

L73 19 SEA ABB=ON L11 OR L22 OR L23 OR L31 OR L39

FILE 'CAPLUS, MEDLINE, CANCERLIT, AGRICOLA, PASCAL, BIOTECHNO, BIOSIS,  
 BIOTECHDS, TOXCENTER, EMBASE, WPIDS, ANABSTR' ENTERED AT 15:41:26 ON 13  
 MAY 2005

L74 41 DUP REM L73 L72 (43 DUPLICATES REMOVED)  
     ANSWERS '1-19' FROM FILE CAPLUS  
     ANSWERS '20-32' FROM FILE MEDLINE  
     ANSWER '33' FROM FILE AGRICOLA

ANSWERS '34-35' FROM FILE PASCAL  
ANSWERS '36-37' FROM FILE BIOSIS  
ANSWER '38' FROM FILE BIOTECHDS  
ANSWER '39' FROM FILE EMBASE  
ANSWER '40' FROM FILE WPIDS  
ANSWER '41' FROM FILE ANABSTR  
D IBIB ED ABS HITSTR 1-19

FILE 'HOME' ENTERED AT 15:42:17 ON 13 MAY 2005

FILE 'CAPLUS' ENTERED AT 15:44:06 ON 13 MAY 2005  
D QUE NOS L11  
D QUE NOS L22  
D QUE NOS L23  
D QUE NOS L31

FILE 'CAPLUS, MEDLINE, AGRICOLA, PASCAL, BIOSIS, BIOTECHDS, EMBASE,  
WPIDS, ANABSTR' ENTERED AT 15:44:37 ON 13 MAY 2005

D IALL 20-40  
D ALL 41

FILE 'HOME' ENTERED AT 15:44:56 ON 13 MAY 2005  
D SAVED

FILE HOME

FILE CAPLUS

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FILE COVERS 1907 - 13 May 2005 VOL 142 ISS 21  
FILE LAST UPDATED: 12 May 2005 (20050512/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 MAY 2005 HIGHEST RN 850400-93-0  
DICTIONARY FILE UPDATES: 12 MAY 2005 HIGHEST RN 850400-93-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****  
*  
* The CA roles and document type information have been removed from *  
* the IDE default display format and the ED field has been added, *  
* effective March 20, 2005. A new display format, IDERL, is now *  
* available and contains the CA role and document type information. *  
*  
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

FILE STNGUIDE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: May 6, 2005 (20050506/UP).

FILE MEDLINE

FILE LAST UPDATED: 12 MAY 2005 (20050512/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>

[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE CANCERLIT

FILE COVERS 1963 TO 15 Nov 2002 (20021115/ED)

On July 28, 2002, CANCERLIT was reloaded. See HELP RLOAD for details.

CANCERLIT thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2002 vocabulary. Enter HELP THESAURUS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE JICST-EPLUS

FILE COVERS 1985 TO 2 MAY 2005 (20050502/ED)

THE JICST-EPLUS FILE HAS BEEN RELOADED TO REFLECT THE 1999 CONTROLLED TERM (/CT) THESAURUS RELOAD.

FILE AGRICOLA

FILE COVERS 1970 TO 6 Apr 2005 (20050406/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE PASCAL  
FILE LAST UPDATED: 9 MAY 2005 <20050509/UP>  
FILE COVERS 1977 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE IN THE BASIC INDEX (/BI) FIELD <<<

FILE BIOTECHNO  
FILE LAST UPDATED: 7 JAN 2004 <20040107/UP>  
FILE COVERS 1980 TO 2003.

>>> BIOTECHNO IS NO LONGER BEING UPDATED AS OF 2004 <<<

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN /CT AND BASIC INDEX <<<

FILE BIOSIS  
FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 11 May 2005 (20050511/ED)

FILE RELOADED: 19 October 2003.

FILE CONFSCI  
FILE COVERS 1973 TO 18 Mar 2005 (20050318/ED)

FILE BIOTECHDS  
FILE LAST UPDATED: 13 MAY 2005 <20050513/UP>

>>> USE OF THIS FILE IS LIMITED TO BIOTECH SUBSCRIBERS <<<

>>> NEW CLASSIFICATION SYSTEM FROM 2002 ONWARDS - SEE HELP CLA <<<

>>> NEW DISPLAY FIELDS LS AND LS2 (LEGAL STATUS DATA FROM THE INPADOC DATABASE) AVAILABLE - SEE NEWS <<<

FILE DISSABS  
FILE COVERS 1861 TO 27 APR 2005 (20050427/ED)

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FILE TOXCENTER

FILE COVERS 1907 TO 10 May 2005 (20050510/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TOXCENTER has been enhanced with new files segments and search fields. See HELP CONTENT for more information.

TOXCENTER thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary. See <http://www.nlm.nih.gov/mesh/> and [http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html) for a description of changes.

FILE EMBASE

FILE COVERS 1974 TO 12 May 2005 (20050512/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE WPIDS

FILE LAST UPDATED: 12 MAY 2005 <20050512/UP>  
MOST RECENT DERWENT UPDATE: 200530 <200530/DW>  
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE,  
PLEASE VISIT:  
[<<<](http://www.stn-international.de/training_center/patents/stn_guide.pdf)

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE  
<http://thomsonderwent.com/coverage/latestupdates/> <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER  
GUIDES, PLEASE VISIT:  
<http://thomsonderwent.com/support/userguides/> <<<

>>> NEW! FAST-ALERTING ACCESS TO NEWLY-PUBLISHED PATENT  
DOCUMENTATION NOW AVAILABLE IN DERWENT WORLD PATENTS INDEX  
FIRST VIEW - FILE WPIFV.  
FOR FURTHER DETAILS: [<<<](http://www.thomsonderwent.com/dwpifv)

>>> THE CPI AND EPI MANUAL CODES HAVE BEEN REVISED FROM UPDATE 200501.  
PLEASE CHECK:  
<http://thomsonderwent.com/support/dwpiref/reftools/classification/code-rev>  
FOR DETAILS. <<<

FILE ANABSTR

FILE LAST UPDATED: 11 MAY 2005 <20050511/UP>  
FILE COVERS 1980 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE IN  
THE BASIC INDEX (/BI) AND CHEMICAL NAME (/CN) FIELDS <<<

=>